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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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S-E-C-R-E-T

50X1-HUM

COUNTRY USSR

REPORT

SUBJECT Route Operations Manual on Approaches
to Soviet Airfields

DATE DISTR. 15 May 1959

NO. PAGES 1

REFERENCES RD

DATE OF
INFO.

50X1-HUM

PLACE &
DATE ACQ

50X1-HUM

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

route operations manual for a foreign airline
containing landing instructions for and miscellaneous details on the
below named Soviet airfields

50X1-HUM

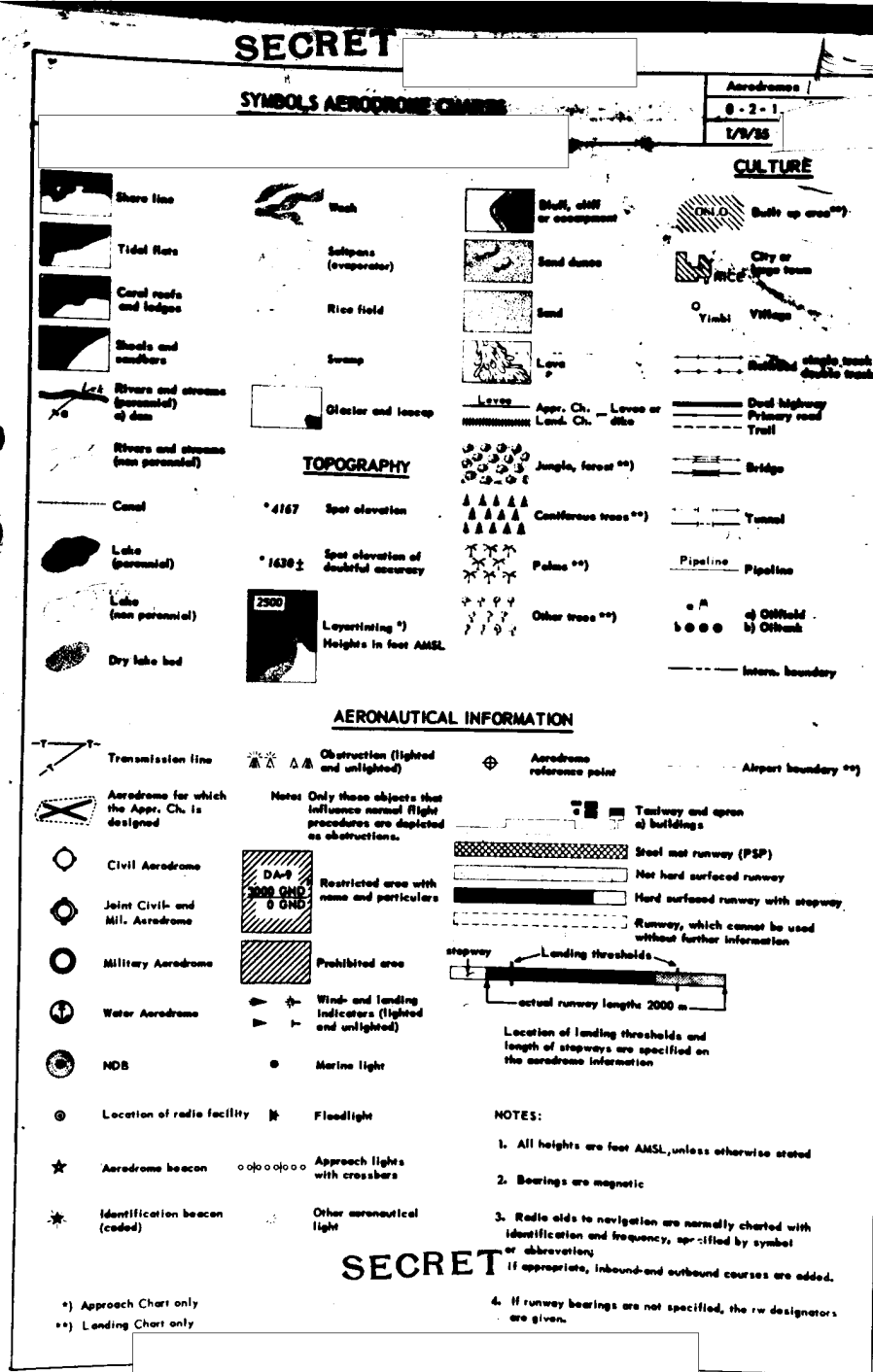
Minsk
Moscow/Kubinka
Moscow/Vnukovo
Riga
Velikiye Luki/Medvedovka
Vilnyus

50X1-HUM

S-E-C-R-E-T

50X1-HUM

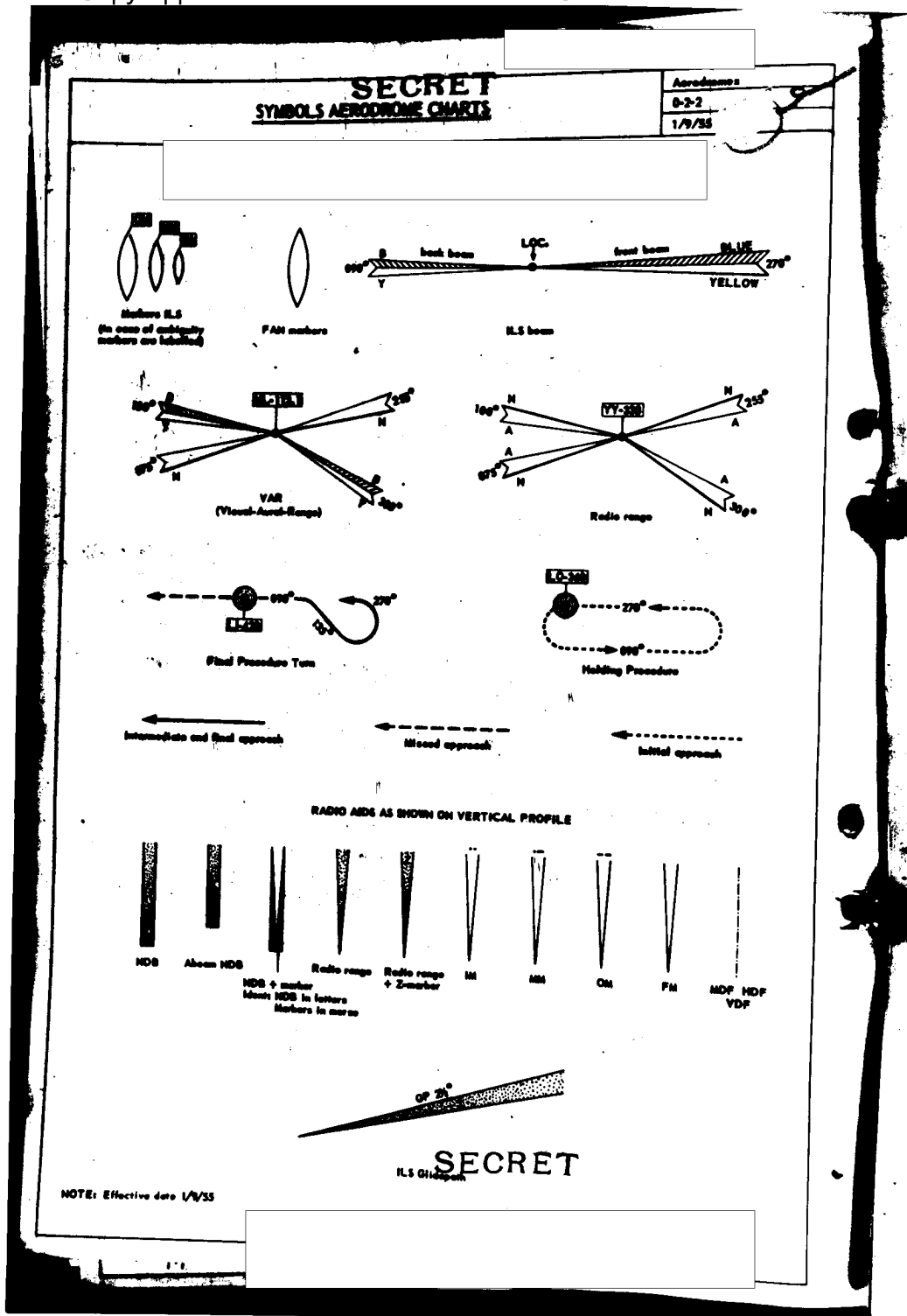
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<small>(Note: W tribution indicated by "X"; Field distribution by "#".)</small>																



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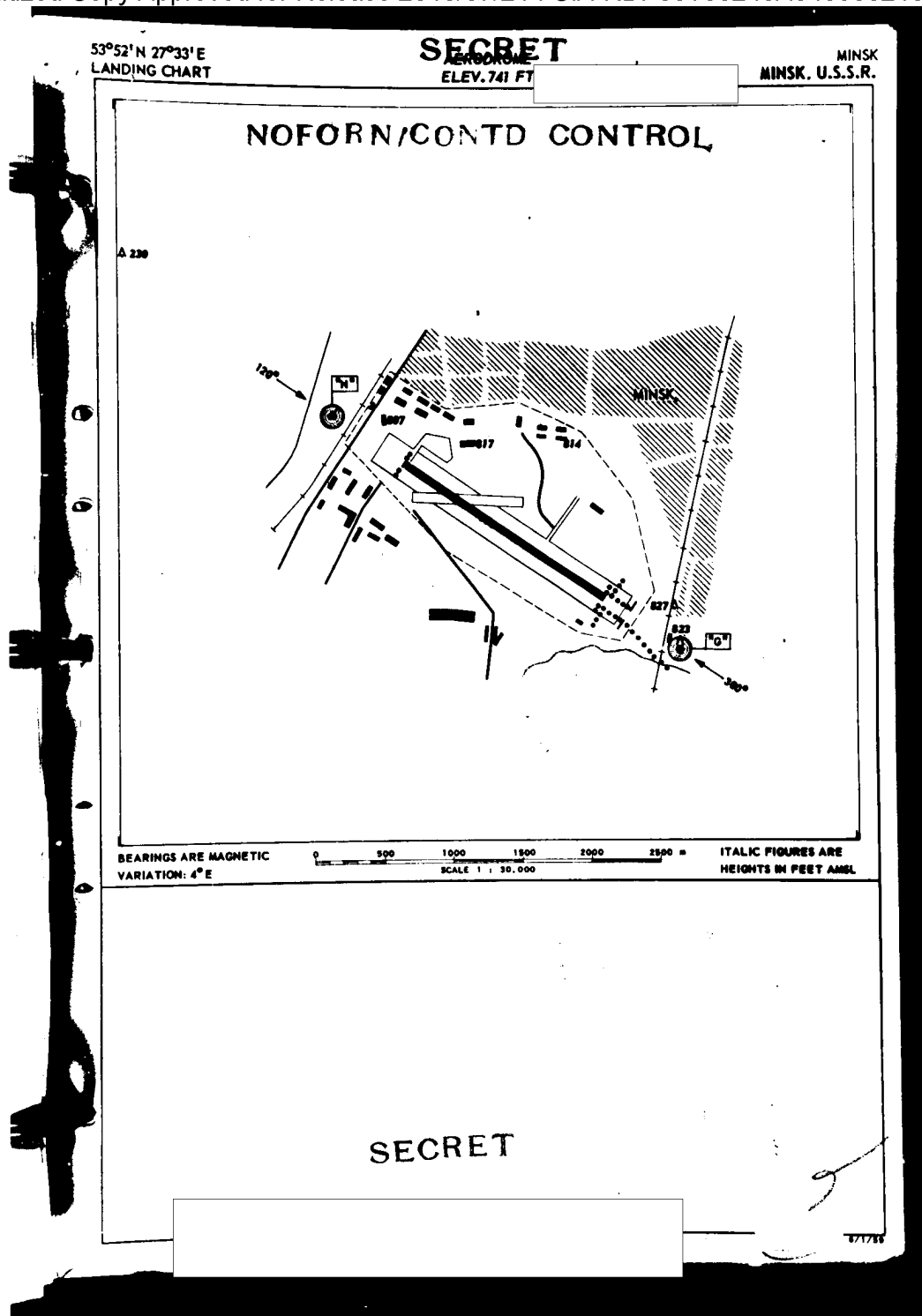
AERODROME INFORMATION		Minsk EUPM
		MINSK - U.S.S.R.
<u>FIR:</u>	MINSK	
<u>APC/ADC:</u>	"Balgash" 128.0 Hr: 0130-2100 118.1 Hr: o/r	
<u>NAVIGATION/HOMING FACILITIES:</u>	See APPROACH/LANDING FACILITIES	
<u>APPROACH/LANDING FACILITIES:</u>		
<u>Rw 30</u>	NDB "GK" A2 321 Hr: o/r In line with and 3200m from beg of rw.	
<u>Rw 12</u>	NDB "G" A2 657 Hr: o/r In line with and 800m from beg of rw.	
<u>Rw 30</u>	NDB "NE" A2 321 Hr: o/r In line with and 3200m from beg of rw.	
<u>Rw 12</u>	NDB "N" A2 657 Hr: o/r In line with and 710m from beg of rw.	
<u>LANDING AID:</u>	NDB "NE" and "GK".	
<u>SET DOWN PROCEDURES:</u>	ADF rw 30, rw 12.	
<u>METEO POST:</u>	26/850	
<u>SETTING OF ALTIMETER:</u>	Transition level: 600m STD Transition altitude: 200m QFE	
<u>STANDARD TIME:</u>	GMT + 3 hr.	
<u>LANDING AREA:</u>	Rw 12/30 Surface: Bitumen	
<u>LIGHTING:</u>		
Approach lighting:	Rw 30: Red, double row for 250m, neon crossbar, thence red single row for 500m.	
Threshold lighting:	Both thresholds green	
Runway lighting:	White/yellow (end of rw indicated by red lights)	
Taxiway lighting:	Yes	
Obstruction lights:		
<u>METEO OFFICE:</u>		
<u>GROUND SERVICES:</u>	Customs : Yes Immigration: Yes Servicing : Fuel and oil, repairs.	
<u>SPECIAL INFORMATION:</u>		
1. <u>Aerodrome:</u> Civil		
2. Approaches from E and W free of obstacles.		

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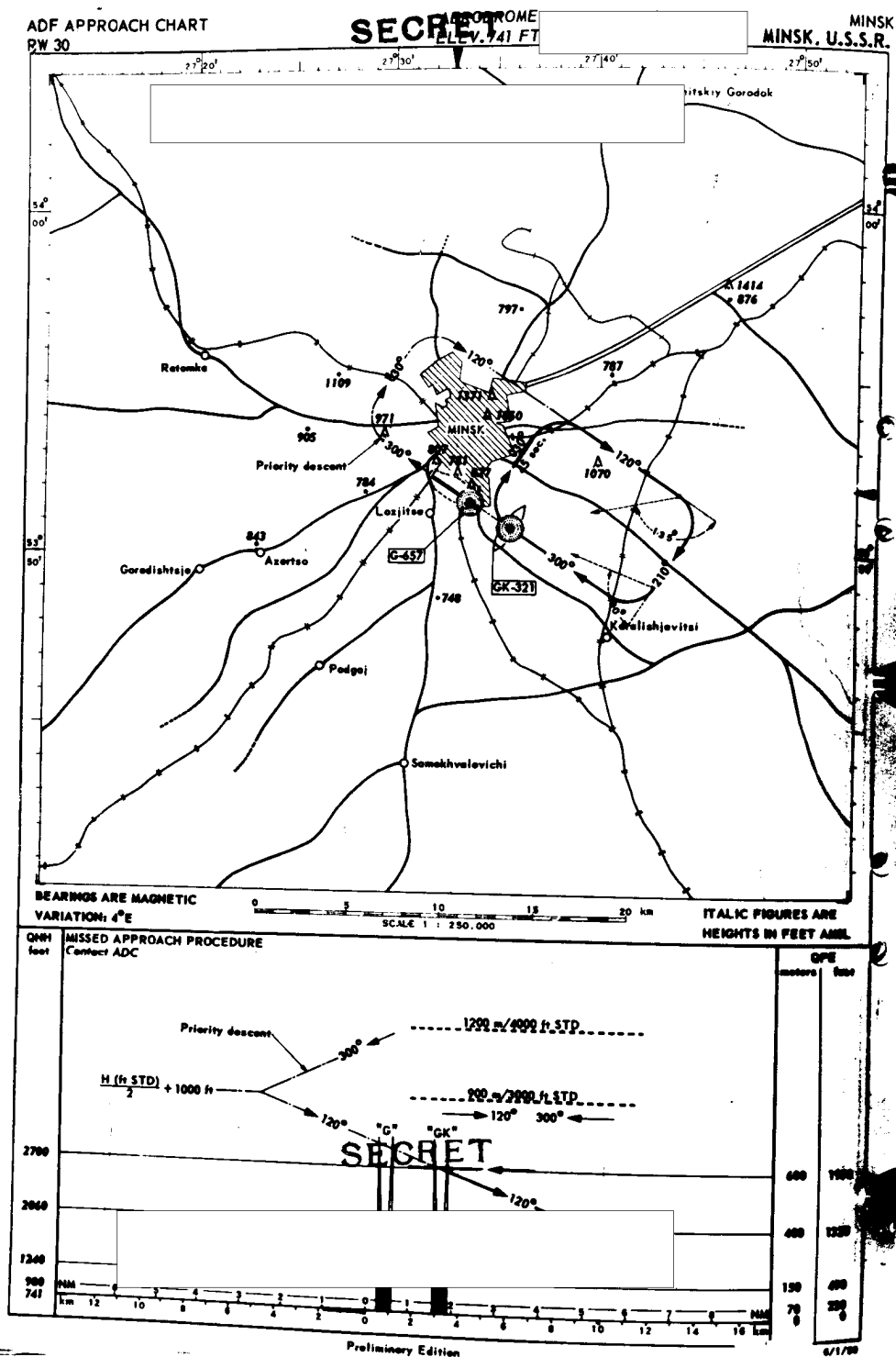
50X1-HUM

ROUTE OPERATIONS MANUAL



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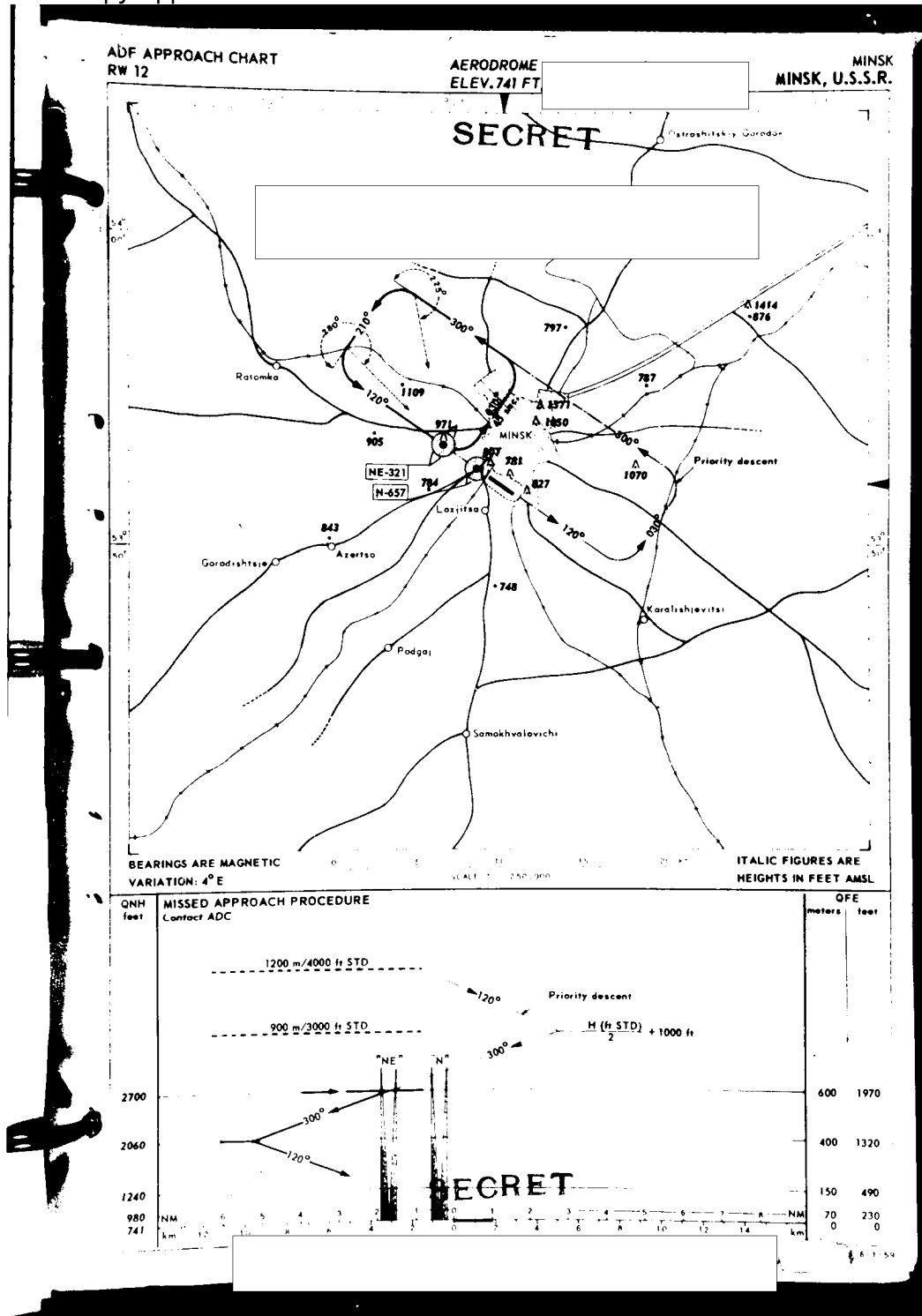
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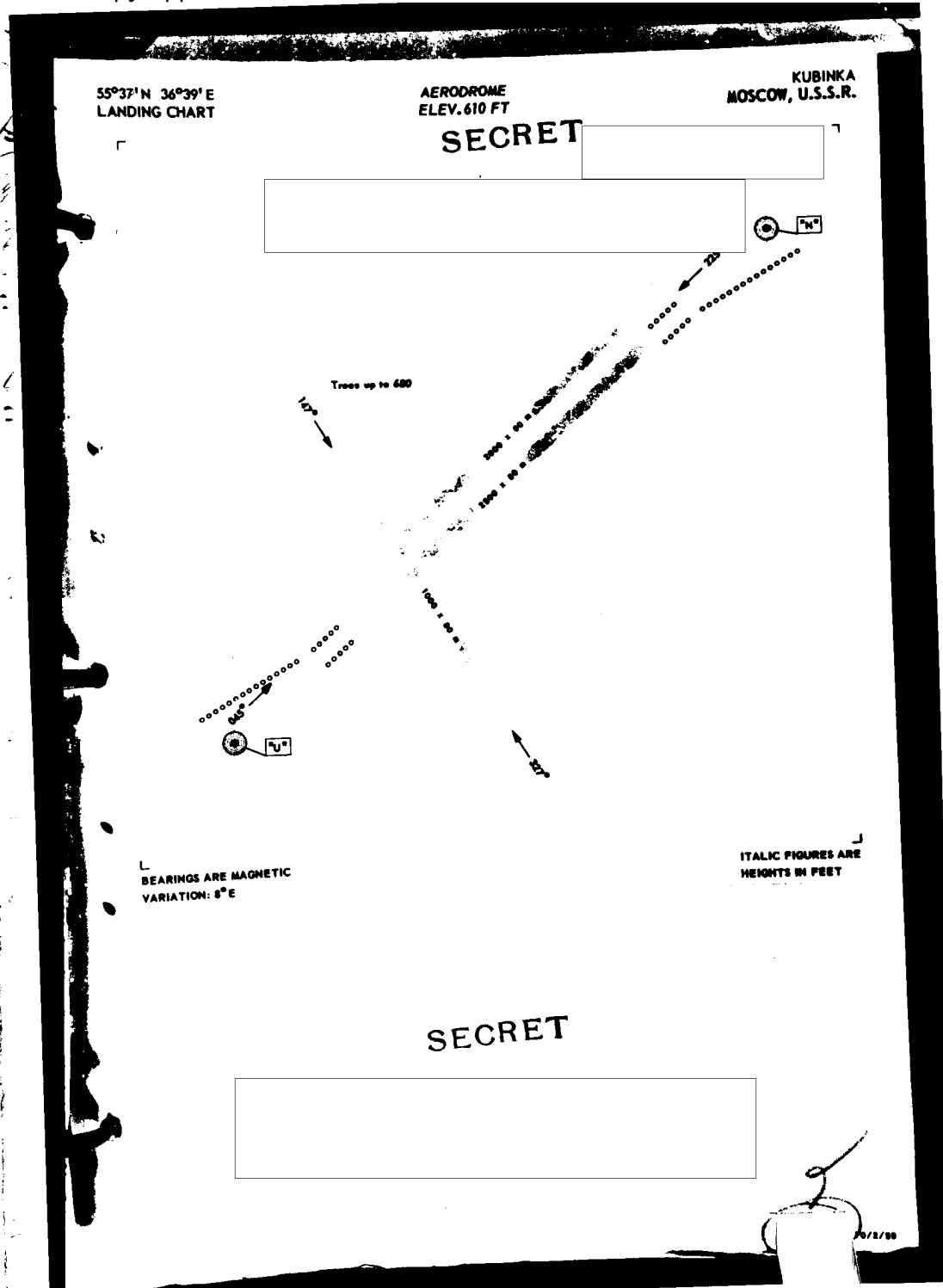
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JWK S.S.R.	
<u>FIR:</u>	MOSCOW
<u>APC/ADC</u>	"Balokno" 118.1
<u>NAVIGATION/HOMING FACILITIES:</u>	See APPROACH/LANDING FACILITIES
<u>APPROACH/LANDING FACILITIES:</u>	ILS - 108.3 GP - 332.6
<u>rw 05</u>	NDB "UA" A2 670 Hr: o/r In line with and 4200m from beg rw.
	NDB "U" A2 326 Hr: o/r In line with and 950m from beg rw.
<u>rw 23</u>	NDB "ND" A2 670 Hr: o/r In line with and 4200m from beg rw.
	NDB "N" A2 326 Hr: o/r In line with and 1100m from beg rw.
<u>HOLDING AID:</u>	Not specified
<u>LET DOWN PROCEDURES:</u>	ADF rw 05, rw 23.
<u>METEO BCST:</u>	
<u>SETTING OF ALTIMETER:</u>	Transition level: 600m STD Transition altitude: 200m QFE
<u>STANDARD TIME:</u>	GMT + 3 hr
<u>LANDING AREA:</u>	Rw 05/23: <u>Surface:</u> Concrete
<u>LIGHTING:</u>	
Approach lighting:	Red double row for 400m, neon crossbar, thence red single row for 650m.
Threshold lighting:	Green
Runway lighting:	White/yellow (end of rw indicated by red lights)
Taxiway lighting:	
<u>METEO OFFICE:</u>	
<u>GROUND SERVICES:</u>	Unknown
<u>SPECIAL INFORMATION:</u>	
1. <u>Aerodrome:</u>	Civil/Military
SECRET	
ROUTE OPERATIONS MANUAL	

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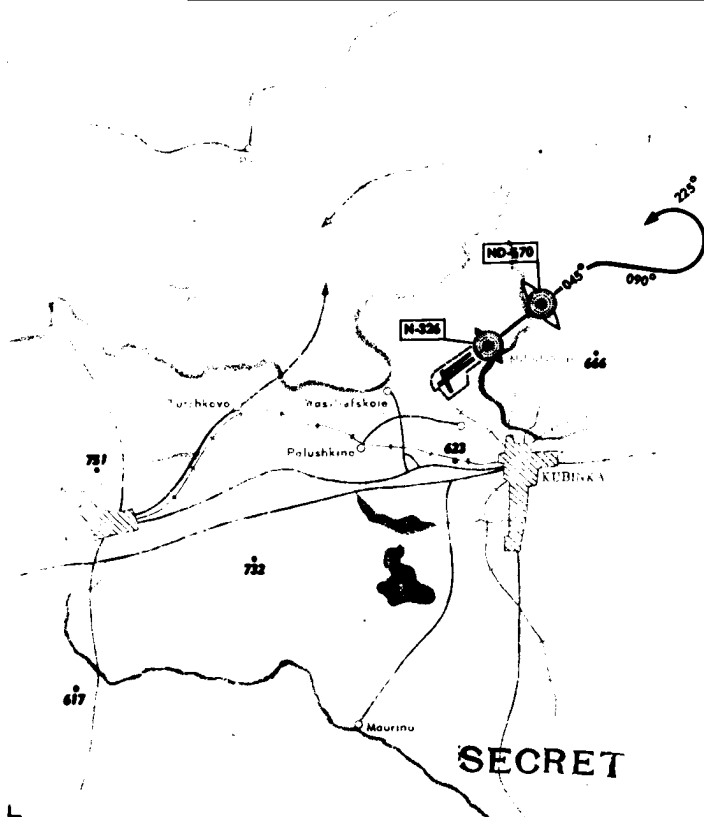
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ADF APPROACH CHART
RW 23

SECRET
ELEV. 610 FT

KUBINKA
MOSCOW, U.S.S.R.

50X1-HUM

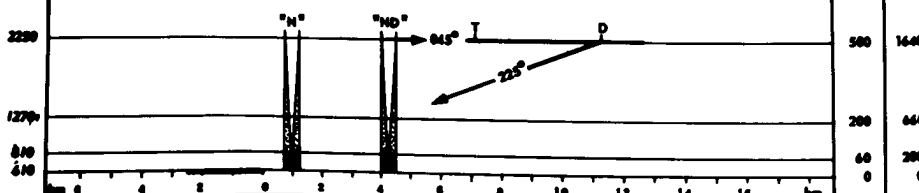


BEARINGS ARE MAGNETIC
VARIATION 6° E

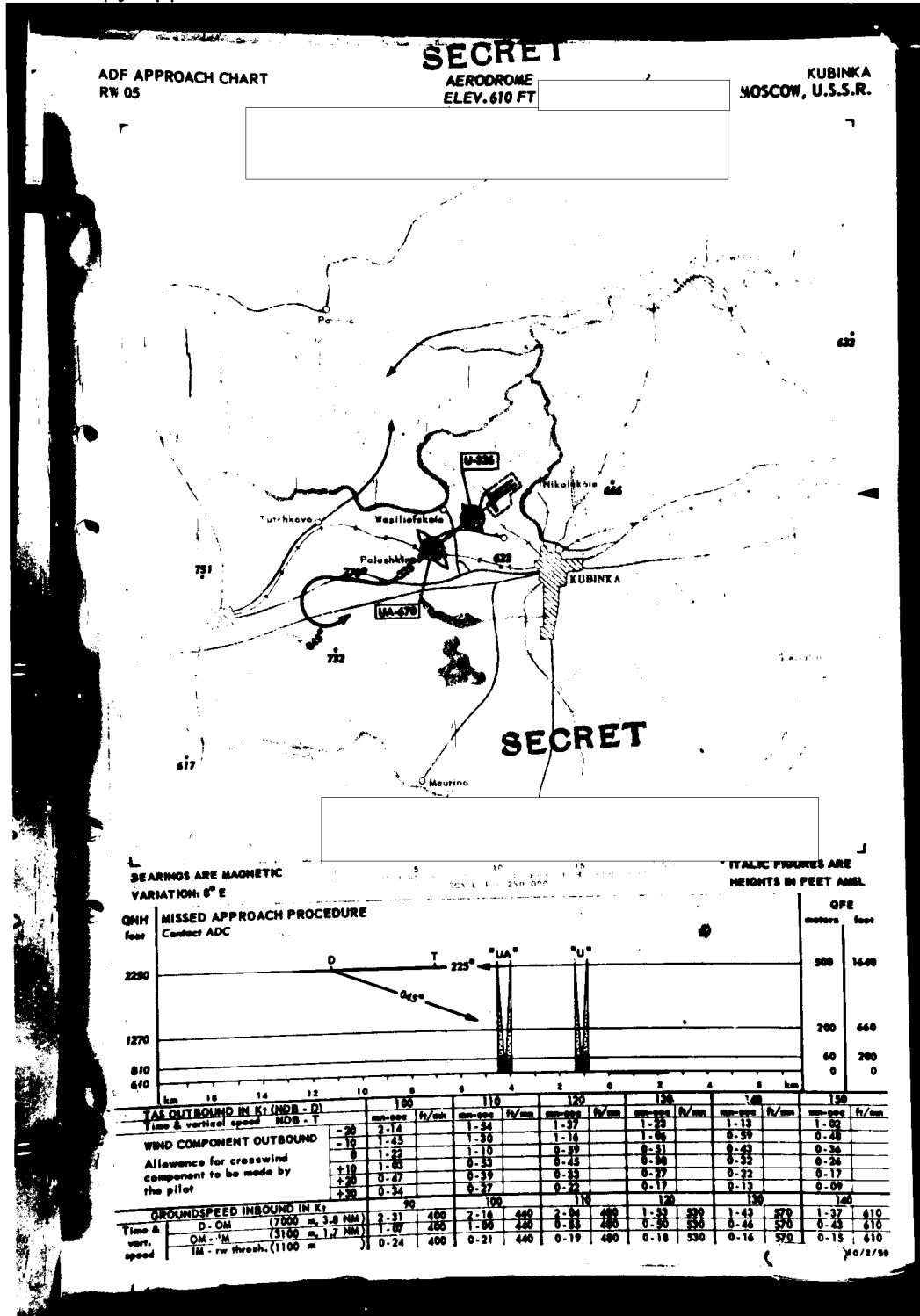
FIGURES ARE
IN FEET AMSL

QNH MISSED APPROACH PROCEDURE
Contour ADC

QFE



WIND COMPONENT OUTBOUND		0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200
Allowance for crosswind component to be made by the pilot		0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200
GROUND SPEED INBOUND IN K		0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200
Time & vert. speed		0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200
D - Out		0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200
Q - In		0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200
M - rr track (150 m)		0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200



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50X1-HUM

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AERODROME INFORMATION		Vnukovo
		MOSCOW - U.S.S.R.
		10/3/59 -

LIGHTING:	Red "OB" (on NDB "OB")
Identification beacon:	Rw 06: Red, controllable 100 % - 60 % - 30 %.
Approach lighting:	Single row for 550m, thence a double row for 500m. Neon crossbar at approx. 500m from rw threshold.
	Rw 20: Neon, controllable 100 % - 60 % - 30 %.
	Single row for 250m, thence a double row for 350m. Neon crossbar at approx 350m from rw threshold.
	Rw 24: Red, controllable 100 % - 60 % - 30 %.
	Single row for 600m, thence a double row for 500m. Neon crossbar at approx 500m from rw threshold.
Threshold lighting:	All rw's green
Runway lighting:	All rw's white/yellow (end of all rw's marked by red indicators)
Taxiway lighting:	Yes
Obstruction lighting:	Yes

AIRPORT OFFICE:	
GROUND SERVICES:	Customs : Yes
	Immigration : Yes
	Servicing : Fuel and oil
	Repairs : Yes

SPECIAL INFORMATION:
1. Aerodrome: Civil

SECRET

ROUTE OPERATIONS MANUAL

50X1-HUM

50X1-HUM

50X1-HUM

SECRET

AERODROME INFORMATION		Ymukovo
		10/3/59 -
<u>FIR:</u>	MOSCOW	
<u>APC:</u>	Dynai 128.0 Hr: 0000-1930	
<u>ADC:</u>	Dynai 126.0 Hr: 0000-1930 118.1 o/r	
<u>NAVIGATION/HOMING FACILITIES:</u>	See APPROACH/LANDING FACILITIES	
<u>APPROACH/LANDING FACILITIES:</u>	ILS: 109.1 Hr o/r	
<u>rw 06</u>	NDB "GG" A2 290 Hr o/r In line with and 3500m from beg. rw	
	NDB "G" A2 595 Hr o/r In line with and 1100m from beg. rw	
<u>rw 24</u>	ILS: See rw 06	
	NDB "OB" A2 290 Hr o/r In line with and 4160m from beg. rw	
	NDB "O" A2 595 Hr o/r In line with and 1035m from beg. rw	
<u>rw 20</u>	NDB "TQ" A2 290 Hr o/r In line with and 3920m from beg. rw	
	NDB "T" A2 595 Hr o/r In line with and 1000m from beg. rw	
<u>HOLDING AID:</u>	NDB "GG" "OB" and "TQ"	
<u>LET DOWN PROCEDURES:</u>	ADF rw 06 rw 20 rw 24 ILS rw 06 } Not published by KLM rw 24 }	
<u>METEO BCST:</u> 27/524	{ "UGAB" 6672 Day 3400 Night H05 "UGAB"/"DUNAI" 4656 } Day H35 7705 } { 2770 } Night 4650 } H10 "RBNV" 11312 Day H40 6716 Night H20 "RBNV" 12650 AERO + TAFOT H50 10895 AERO + TAFOT	
<u>SETTING OF ALTIMETER:</u>	If QFE	
Transition level: (m)	Lower than 733 mm	733/760 mm 760 mm and higher
(ft)	1200m STD (3950ft)	900m STD (2950ft) 600m STD (2000ft)
	Transition height: 400m (1312ft) QFE	
<u>STANDARD TIME:</u>	GMT + 3 hr	
<u>LANDING AREA:</u>	All rw's: Surface: Concrete	

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ROUTE OPERATIONS MANUAL

Continued

50X1-HUM

50X1-HUM

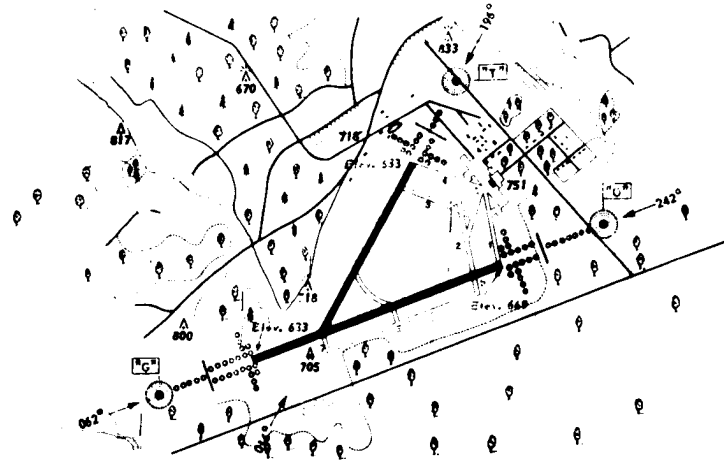
50X1-HUM

55°34'N 37°16'E
LANDING CHART

AERODROME
ELEV. 669 FT

VNUKOVO
MOSCOW, U.S.S.R

SECRET



BEARINGS ARE MAGNETIC
VARIATION: 6°E

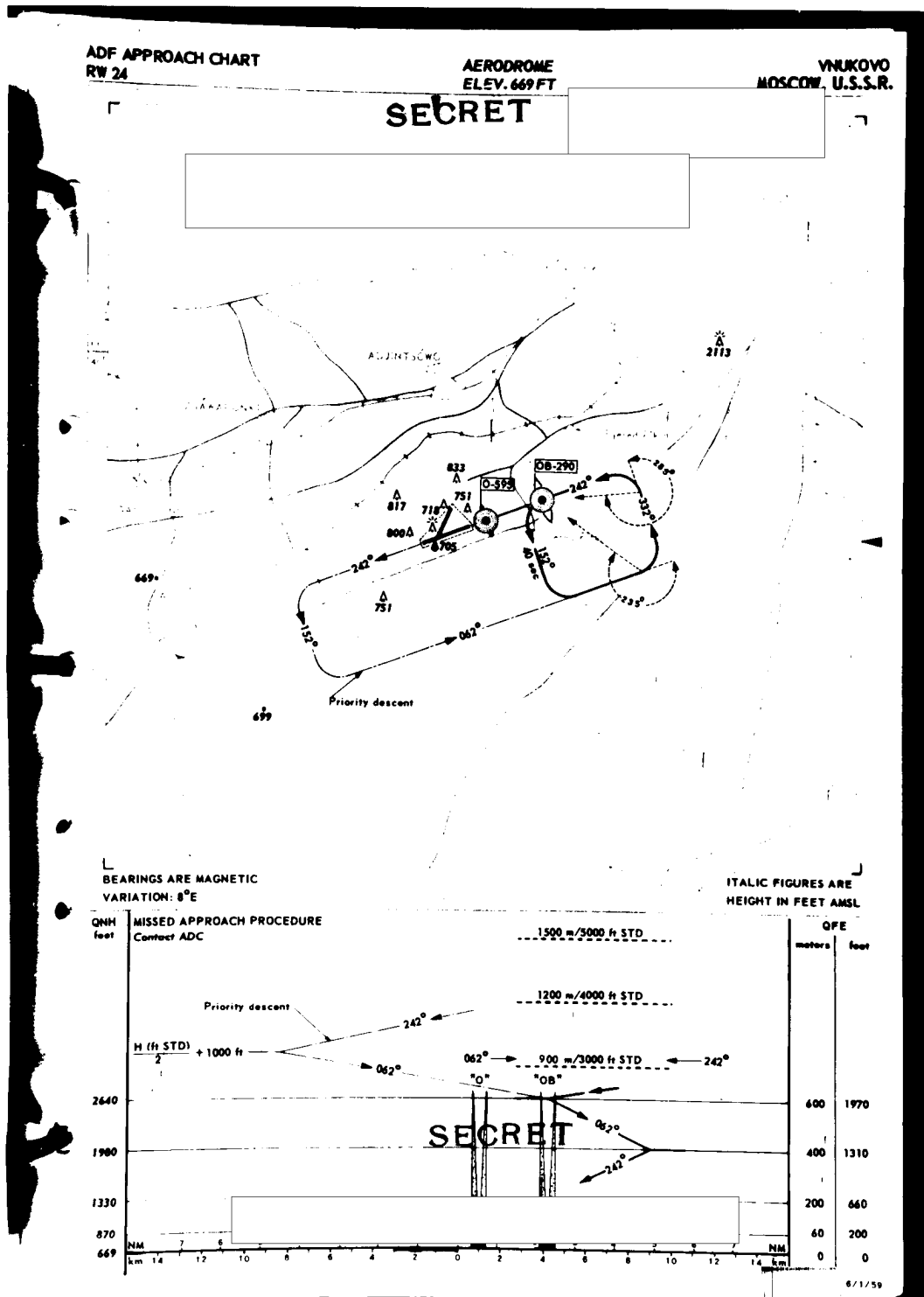
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SCALE 1 : 50,000

ITALIC FIGURES ARE
HEIGHTS IN FEET AMSL

SECRET

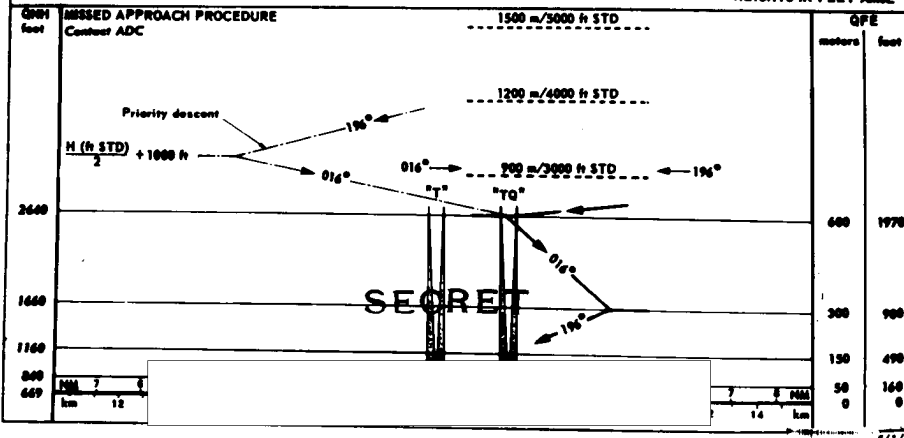
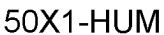
50X1-HUM

50X1-HUM



50X1-HUM

50X1-HUM



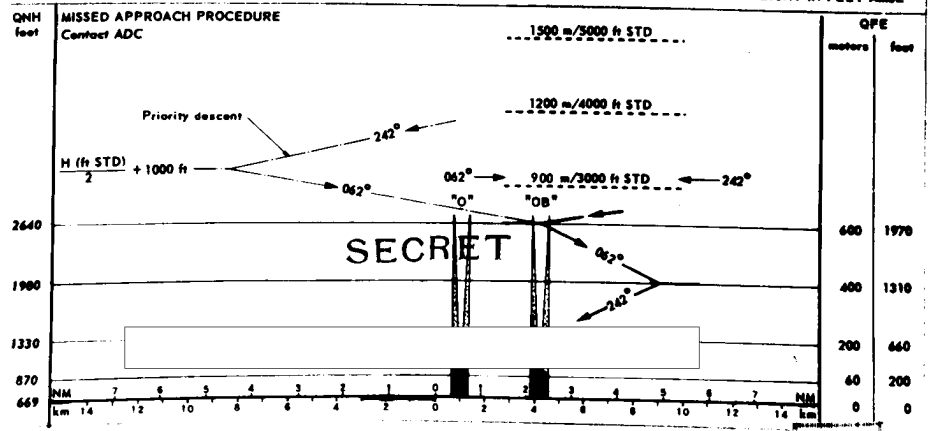
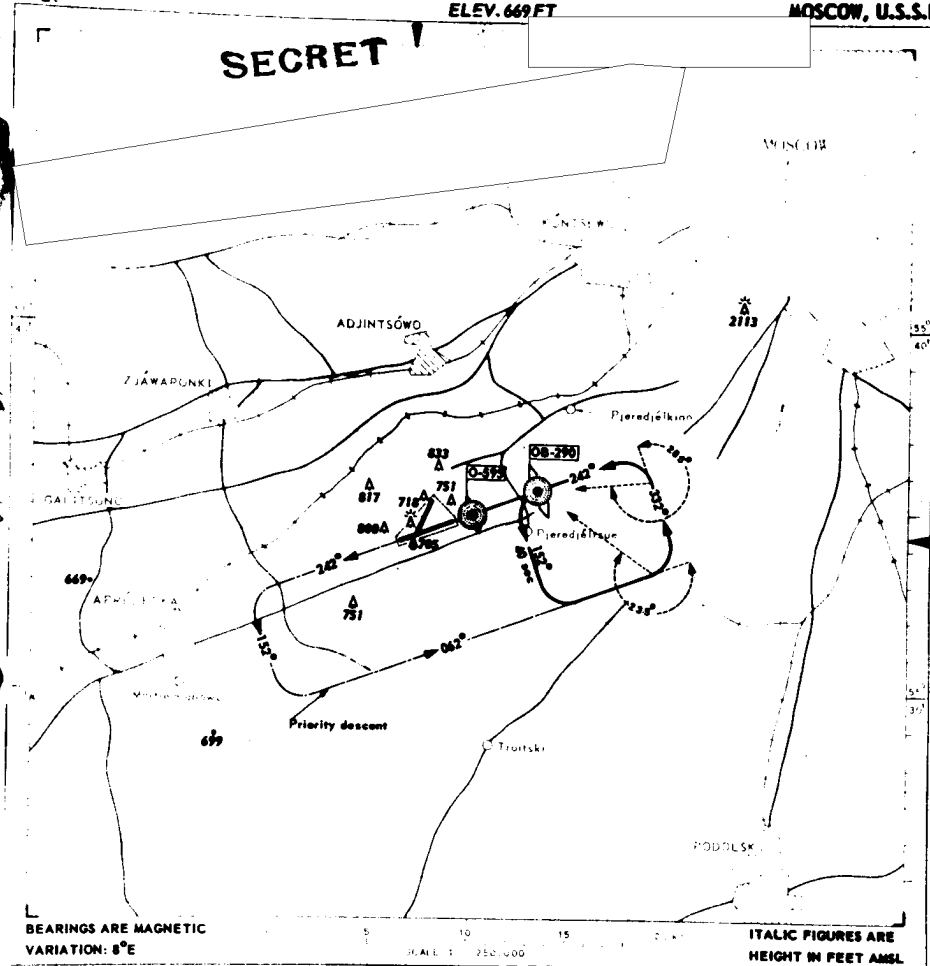
ADF APPROACH CHART
RW 24

AERODROME
ELEV. 669 FT

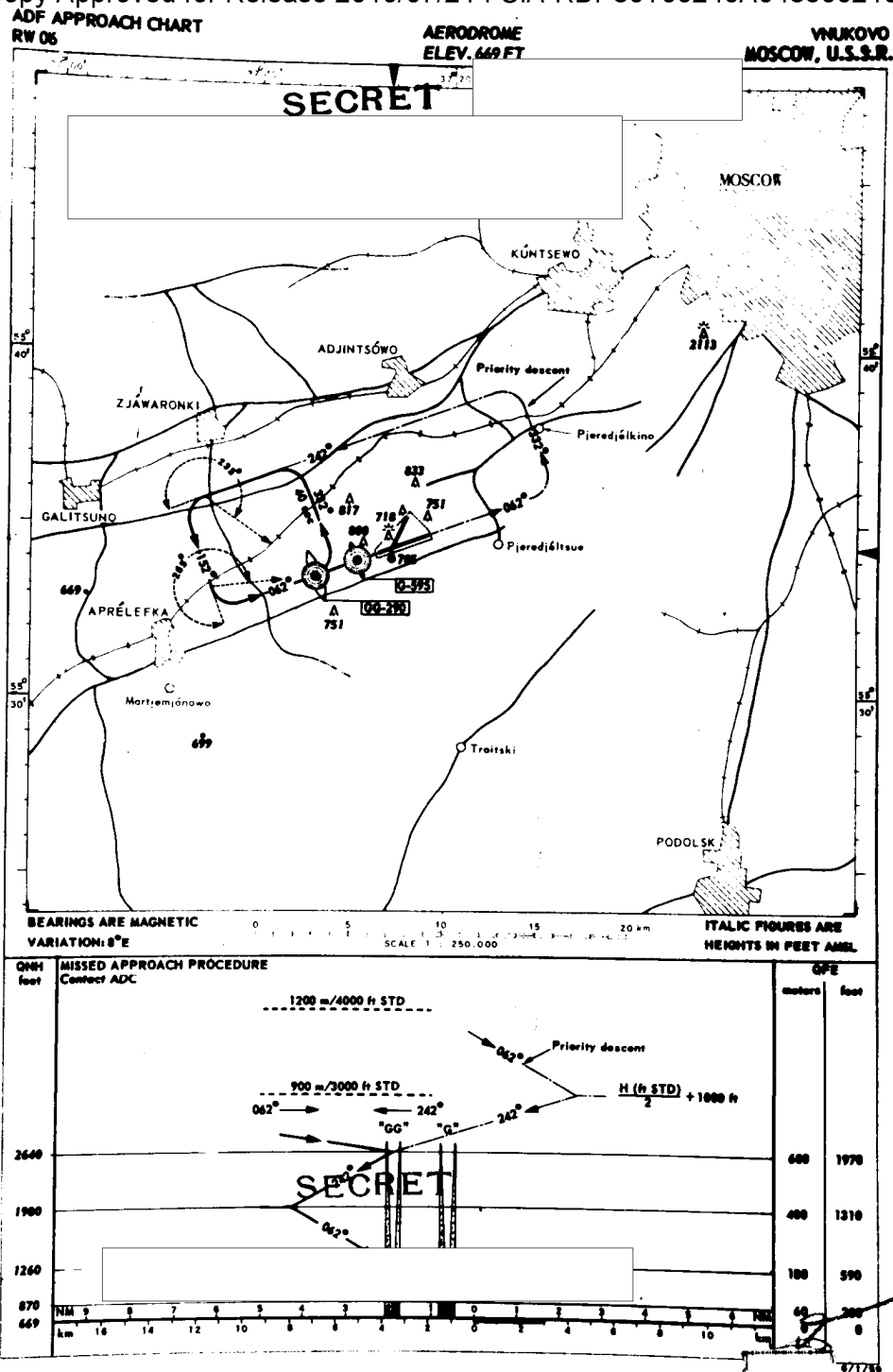
VNUKOVO
MOSCOW, U.S.S.R.

SECRET

50X1-HUM

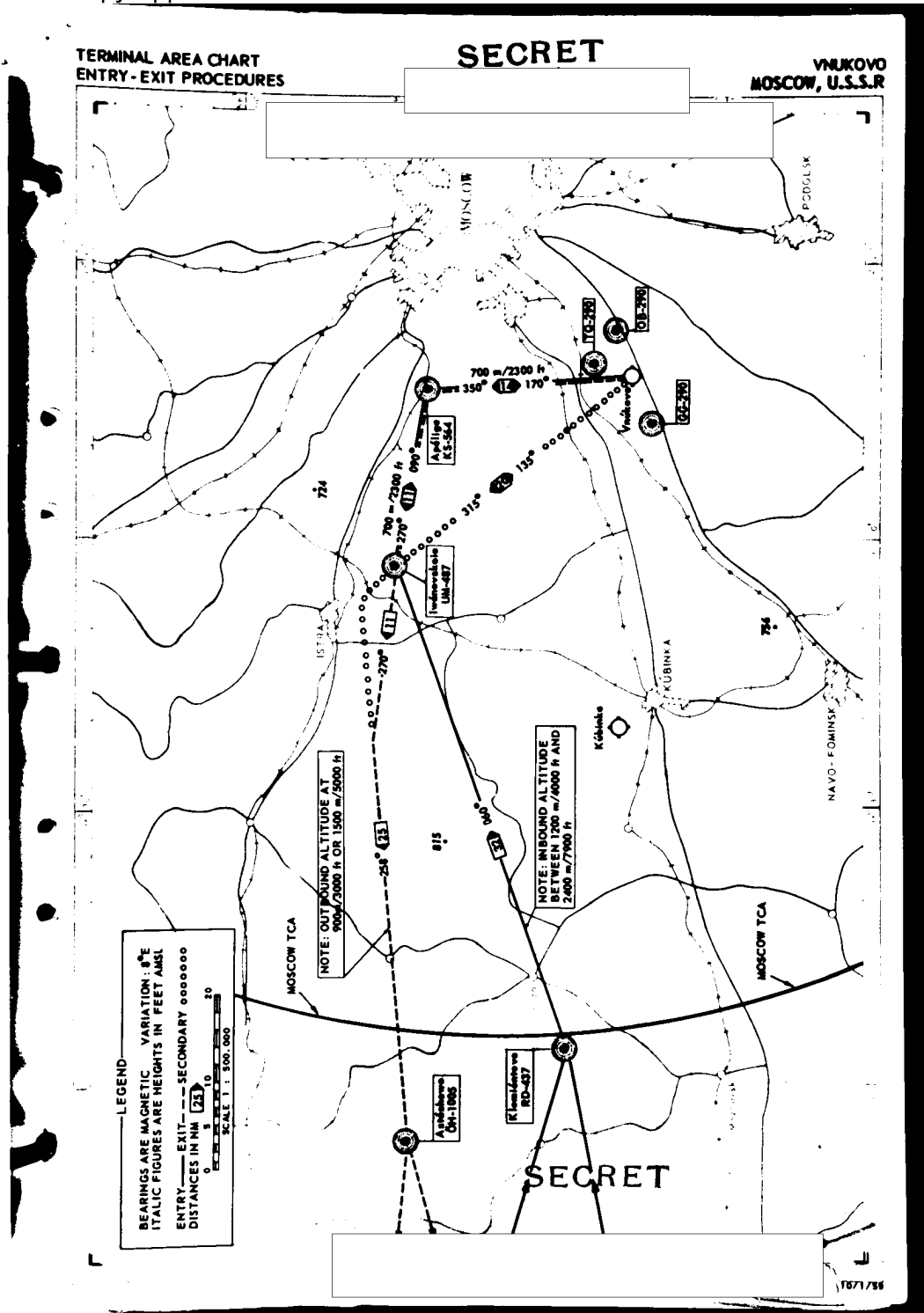


50X1-HUM



50X1-HUM

50X1-HUM



50X1-HUM

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ADF APPROACH CHART

SECRET

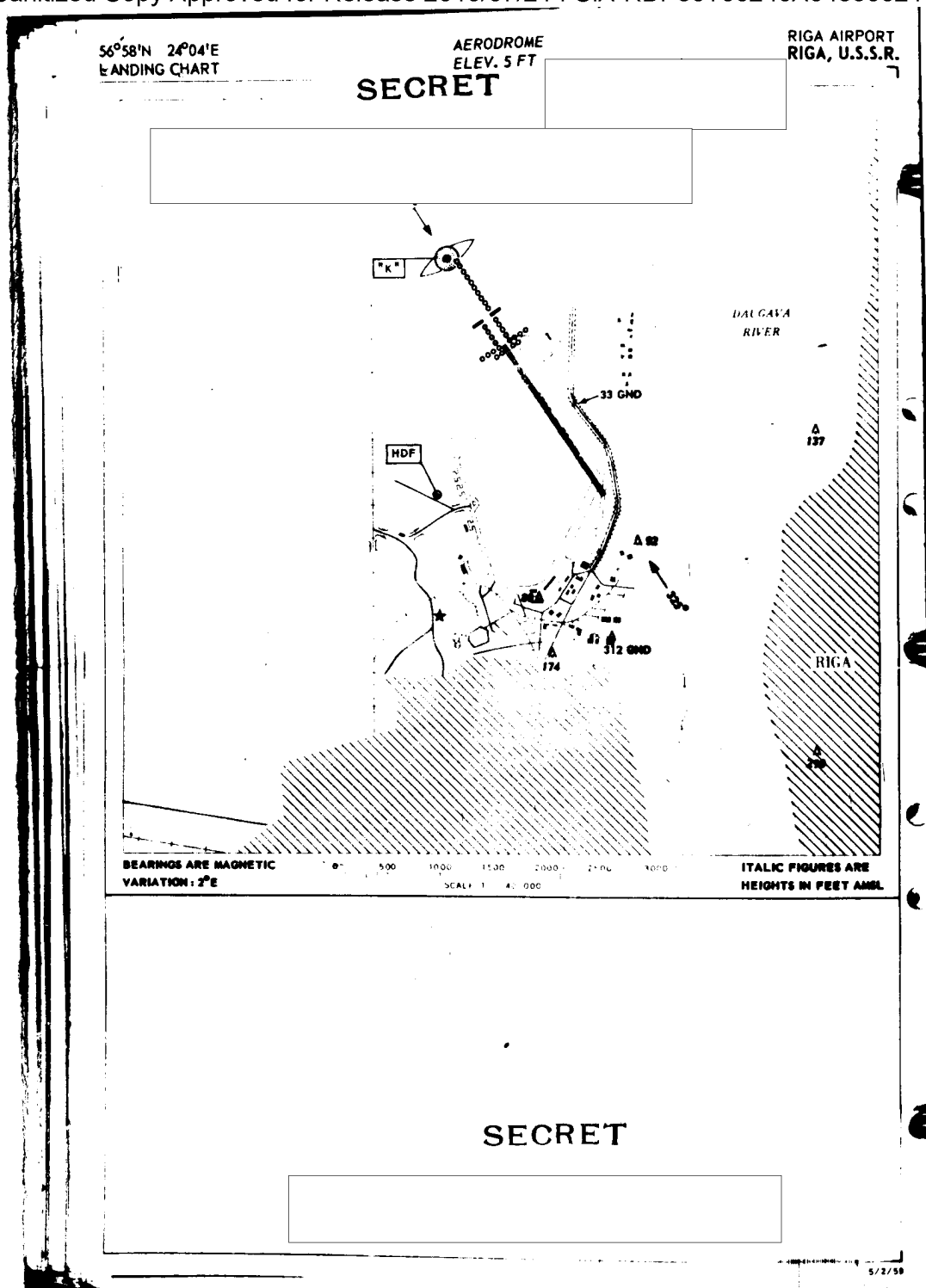
50X1-HUM

		RIGA	
		24/6/58 -	
		- U.S.S.R.	
<u>FIR:</u>	RIGA		
<u>APC/ADC:</u>	"Don" 128.0 hr: 0030-2100 118.1 hr: o/r		
<u>NAVIGATION/HOMING FACILITIES:</u>	See APPROACH/LANDING FACILITIES		
<u>APPROACH/LANDING FACILITIES:</u>			
<u>rw 14</u>	NDB "KO" A2 360 Hr: o/r In line with and 3620m from beg. rw. NDB "K" A2 732 Hr: o/r In line with and 1050m from beg. rw. NDB "KO"		
<u>HOLDING AID:</u>	ADF rw 14		
<u>LET DOWN PROCEDURES:</u>			
<u>METEO BCST:</u>			
<u>SETTING OF ALTIMETER:</u>	Transition level: 600m STD Transition altitude: 200m QFE		
<u>STANDARD TIME:</u>	GMT + 3 hr		
<u>LANDING AREA:</u>	Rw 14/32: <u>Surface:</u> Concrete		
<u>LIGHTING:</u>			
Approach lighting:	Rw 14: Red double row for 380m, neon crossbar thence red single row for 670m.		
Threshold lighting:	Green		
Runway lighting:	White/yellow (end of rw indicated by red lights).		
<u>METEO OFFICE:</u>			
<u>GROUND SERVICES:</u>	Unknown		
<u>SPECIAL INFORMATION:</u>			
1. <u>Aerodrome:</u> Civil			

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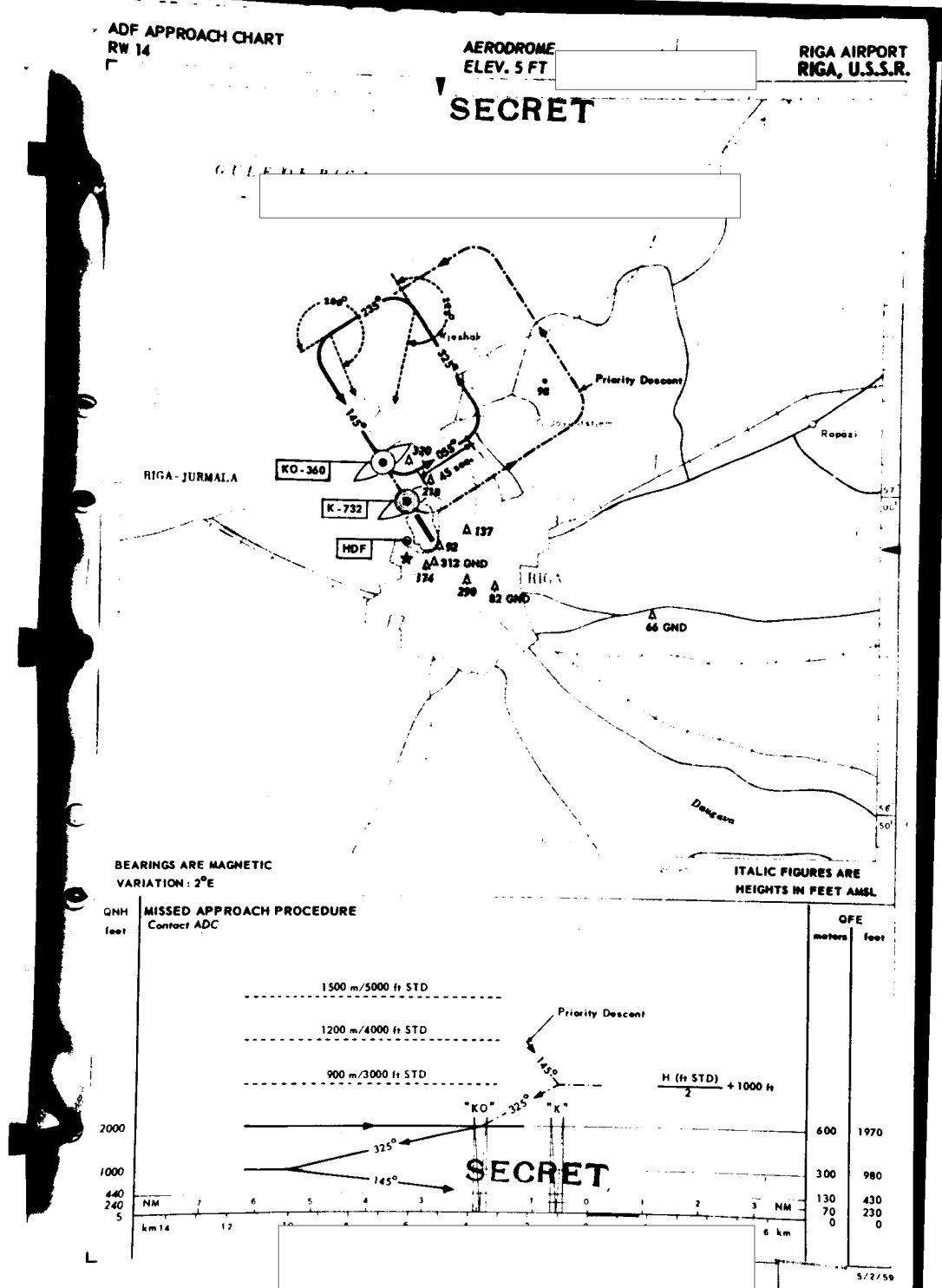
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ROUTE OPERATIONS MANUAL



50X1-HUM

50X1-HUM



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SECRET	
AERODROME INFORMATION	
Welikije -Luki NULW	
WELIKIJE LUKI - U.S.S.R.	
8 -	
<u>FIR:</u>	RIGA
<u>APC/ADC:</u>	"Putljar" 128.0 118.1 hr: o/r
<u>NAVIGATION/HOMING FACILITIES:</u>	NDB "WK" A1 515
<u>APPROACH/LANDING FACILITIES:</u>	NDB "WK" A1 515
<u>HOLDING AID:</u>	NDB "WK"
<u>LET DOWN PROCEDURE:</u>	ADF ((Circling))
<u>METEO BCST:</u>	
<u>SETTING OF ALTIMETER:</u>	Transition level: 600m STD Transition altitude: 200m QFE
<u>STANDARD TIME:</u>	GMT + 3 hr
<u>ELEVATION:</u>	328ft (100m)
<u>LANDING AREA:</u>	<u>Surface:</u> p.s.p.
<u>LIGHTING:</u>	
<u>METEO OFFICE:</u>	
<u>GROUND SERVICES:</u>	Servicing: Fuel and oil
<u>SPECIAL INFORMATION:</u>	
1. <u>Aerodrome:</u> Civil	

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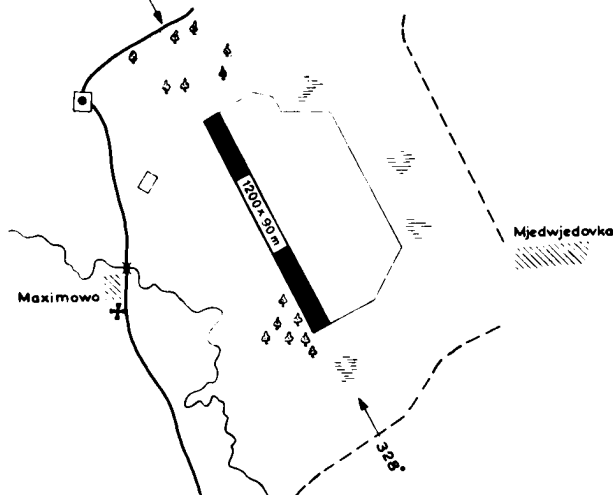
50X1-HUM

ROUTE OPERATIONS MANUAL

55° 23' N 30° 37' E
LANDING CHART
AERODROME
ELEV. 328 FT
WELIKIJE LUKI
WELIKIJE LUKI, U.S.S.R.

SECRET

NOFORN/CONTD CONTROL



BEARINGS ARE MAGNETIC
VARIATION: 5° E

0 500 1000 1500 2000 m
SCALE 1 : 25,000

ITALIC FIGURES ARE
HEIGHTS IN FEET AMSL

SECRET

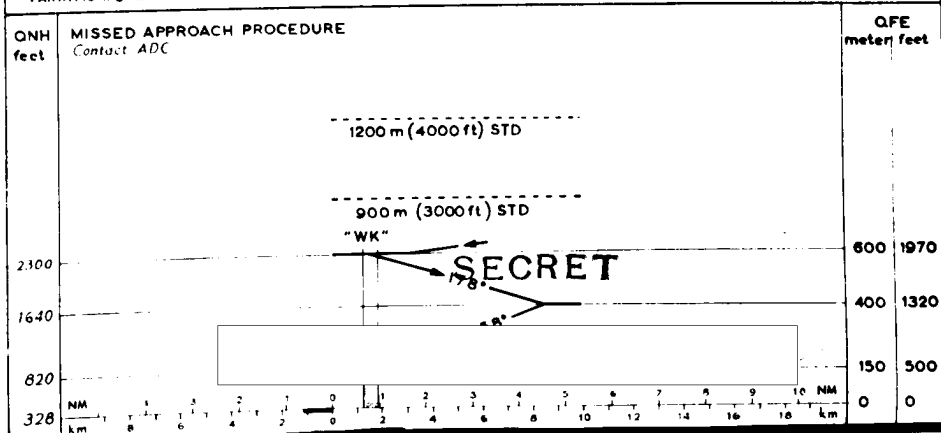
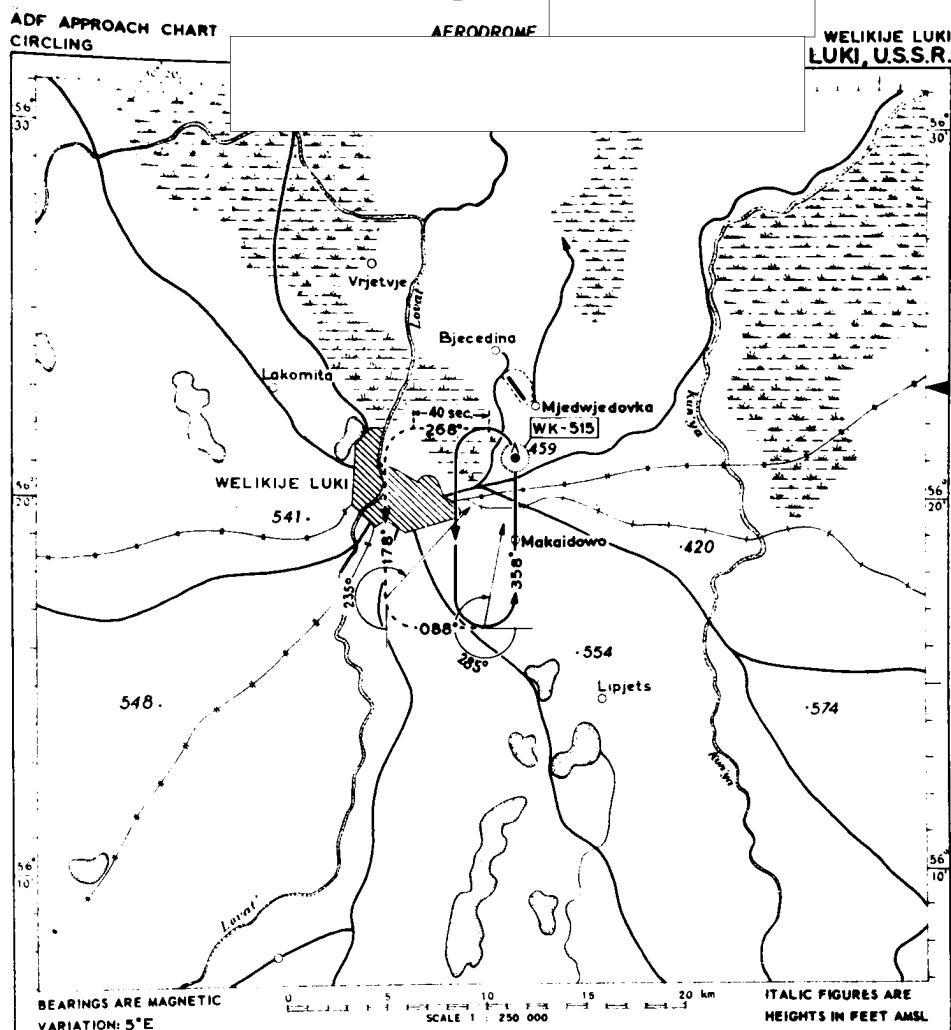
Preliminary Edition

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50X1-HUM

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50X1-HUM



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AF [REDACTED]		EUPV U.S.S.R. 18/1/50
<u>FIR:</u> <u>APC/ADC:</u>	RIGA "Souvenir" 128.0 Hr: 0030-2100 118.1 Hr: o/r	
<u>NAVIGATION/HOMING FACILITIES:</u>	See APPROACH/LANDING FACILITIES	
<u>APPROACH/LANDING FACILITIES:</u>		
<u>Rw 17</u>	NDB "ZH" A2 295 Hr: o/r In line with and 3800m from beg rw.	
	NDB "Z" A2 607 Hr: o/r In line with and 945m from beg rw.	
<u>Rw 35</u>	NDB "PK" A2 295 Hr: o/r In line with and 3900m from beg rw.	
	NDB "P" A2 607 Hr: o/r In line with and 1000m from beg rw.	
<u>HOLDING AID:</u>	NDB "ZH" and "PK".	
<u>LET DOWN PROCEDURES:</u>	ADF rw 17 rw 35	
<u>METEO BCST:</u>		
<u>SETTING OF ALTIMETER:</u>	Transition level: 600m STD Transition altitude: 200m QFE	
<u>STANDARD TIME:</u>	GMT + 3 hr	
<u>ELEVATION:</u>	623ft (190m)	
<u>LANDING AREA:</u>	Surface: Asphalt	
<u>LIGHTING:</u>		
Approach lighting:	Both rws: Neon double row for 350m, neon cross-bar 350m from beg rw thence single row for 500m	
Threshold lighting:	Green	
Runway lighting:	White/yellow (end of rw indicated by red lights)	
<u>METEO OFFICE:</u>		
<u>GROUND SERVICES:</u>		
<u>SPECIAL INFORMATION:</u>		
1. Aerodrome: Civil		
2. Approach in direction 347° open, but in direction 167° 4200m from rw and 250m W of centreline an obstruction of 287ft GND. (766ft AMSL). 850m W of rw various obstructions up to 771ft.		

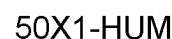
SECRET

ROUTE OPERATIONS MANUAL

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50X1-HUM

50X1-HUM

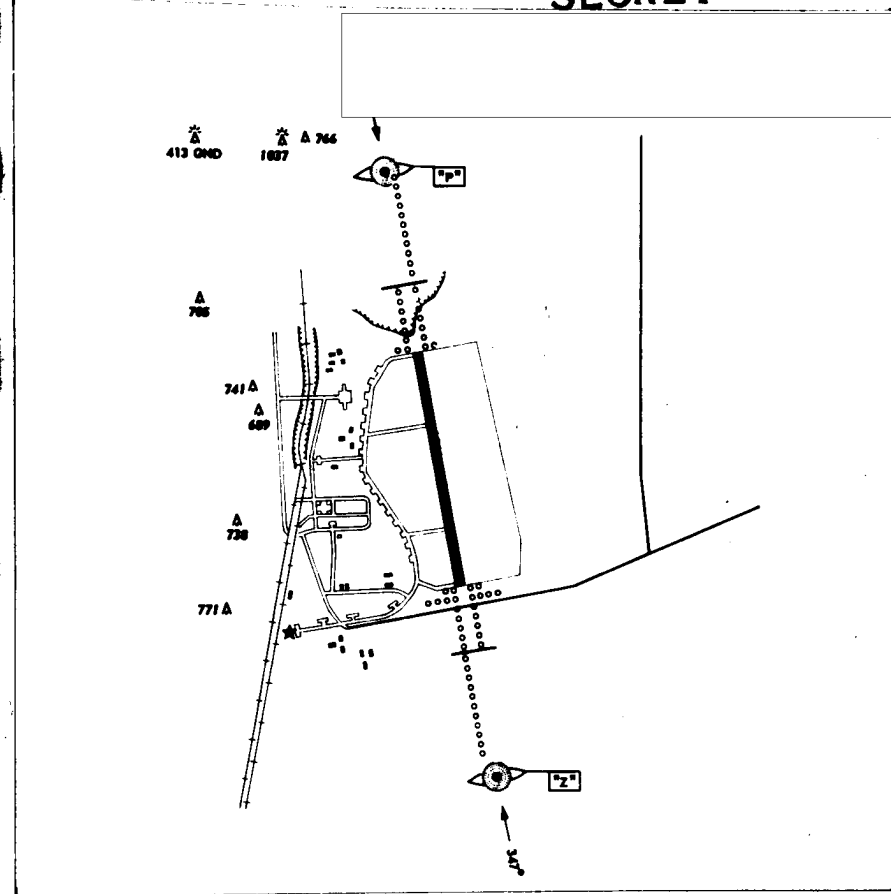


54°38'N 25°17'E
LANDING CHART

AERODROME
ELEV. 623 FT

WILNIUS
WILNIUS, U.S.S.R.

SECRET



BEARINGS ARE MAGNETIC
VARIATION: 3° E

0 500 1000 1500 2000
SCALE 1 : 25,000

ITALIC FIGURES ARE
HEIGHTS IN FEET AMSL

SECRET

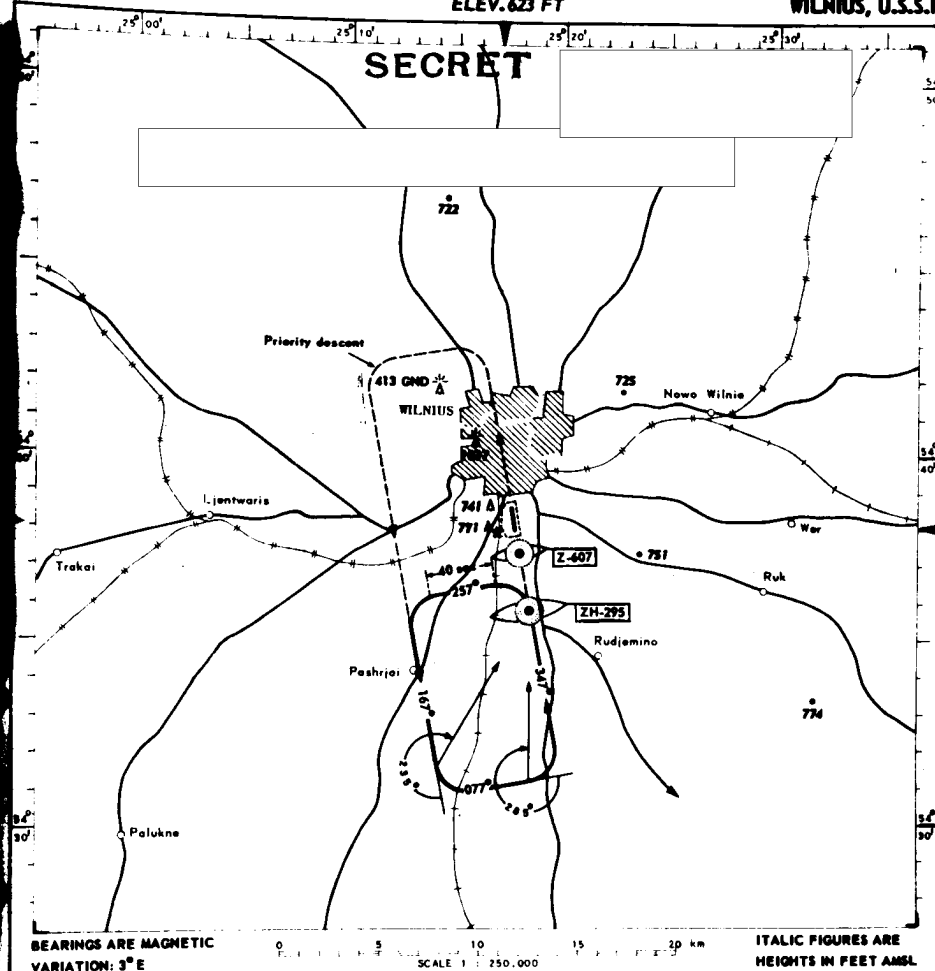
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50X1-HUM

AERODROME
ELEV. 623 FT

WILNIUS
WILNIUS, U.S.S.R.

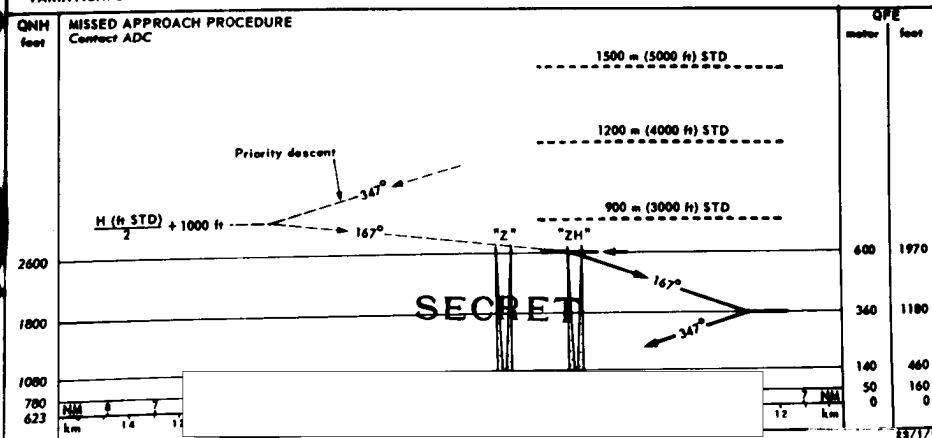
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BEARINGS ARE MAGNETIC
VARIATION: 3° E

ITALIC FIGURES ARE
HEIGHTS IN FEET AMSL

QNH	MISSED APPROACH PROCEDURE
Contest ADC	



~~SECRET~~

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